# POU5F1 Antibody / OCT4 [clone OCT4/6847R] (V4000)

| Catalog No. | Formulation | Size |
|---|---|---|
| V4000-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4000-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4000SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Recombinant RABBIT MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG, kappa |
| **Clone Name** | OCT4/6847R |
| **Purity** | Protein A/G affinity |
| **UniProt** | Q01860 |
| **Localization** | Nucleus |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml |
| **Limitations** | This POU5F1 antibody is available for research use only. |

IHC staining of FFPE human seminoma tissue with OCT4 antibody (clone OCT4/6847R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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## Description

OCT4/POU5F1 is a member of the POU family of transcription factors, involved in the regulation of pluripotency during normal development and is detectable in embryonic stem and germ cells. It is a key regulator of self-renewal in embryonic stem cells; its expression is potentially correlated with tumorigenesis and can affect tumor recurrence or resistance to therapies. OCT4/POU5F1 is expressed in undifferentiated pluripotent cells, germ cells in ovary and testis.

## Application Notes

Optimal dilution of the POU5F1 antibody should be determined by the researcher.

## Immunogen

Recombinant fragment from the human protein was used as the immunogen for the POU5F1 antibody.

## Storage

Aliquot the POU5F1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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